

## Evita 4

### Technical Service Bulletin # 29

**Re:** Product improvement for all units before S/N ARNB-0070  
(Service Pack 1)

**Update:** May 22, 2000

**Reference Doc:** IDM no. 26 / 10.98, 29 / 02.99, 30 / 02.99, and 31 / 05.99

**Reason:** We have developed an upgrade kit Service Pack 1 with the following improvements:

- Improvement of the CO<sub>2</sub> measurement function and extension of CO<sub>2</sub> sensor life through a new CO<sub>2</sub> software version 1.13 (previous version 1.11). Note: Not all devices are affected.
- New Gold Cap capacitors for the CO<sub>2</sub> Carrier PCB P/N 83 06 611 up to revision level 9.1 to avoid device failure code "02.71.003 - low Gold Cap capacity".
- The kit is delivered with 2 modified Expiration Valve caps to prevent tendency of resonance vibration. Note: Not all valves are affected.
- A second loudspeaker is installed in most units starting with a S/N ARMX-YYYY (1998 production). Some users/operators complained that the audible alarms are too loud. If applicable, the second loudspeaker is to be disconnected. The cable harness with the connector must be fasten with a cable tie in such way that an electrical contact to housing or other parts is not possible.
- Modification of the CO<sub>2</sub> Carrier PCB with a Diode to avoid the message "Ext. batteries reversed poles" if a shortened airway temperature sensor is connected. Note: Not all devices are affected.

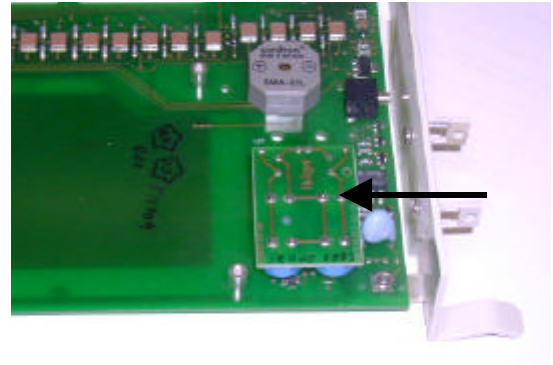
**Solution:** Installation of Kit Service Pack 1.

**Devices affected:** Evita 4 up to S/N ARNB-0069 shipped prior to March 1999. All units with a S/N starting with DRXX-YYYY are not effected.

Evita 4 is already modified if:

- The CO2 Carrier PCB P/N 83 06 611 is modified with the piggy back board "SuperGold PCB". The B-side of this board is labeled with 83 09 218.

or



- The change status of the CO2 Carrier PCB P/N 83 06 611 is 9.2 or higher (sticker with 83 06 611 - 9.2).

**When:** At next Service Call or Preventive Maintenance.

**Additional Info:** After installation of the new CO<sub>2</sub> software version 1.13, older CO<sub>2</sub> sensor types (P/N 68 70 300) up to S/N ARMF-0296 (June 1998), are to be calibrated with test gas according to PMS procedure or Operating Instructions.

**Cost:** Covered by Customer post warranty

**Ordering Info:** Upgrade kit Service Pack 1 P/N 84 11 891

**Distribution:** Dräger Service Personnel and Authorized Service Organizations for CCS products.

If you have any questions, please contact Technical Support by phone at 1-800-543-5047 or by fax at 1-215-721-5789

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